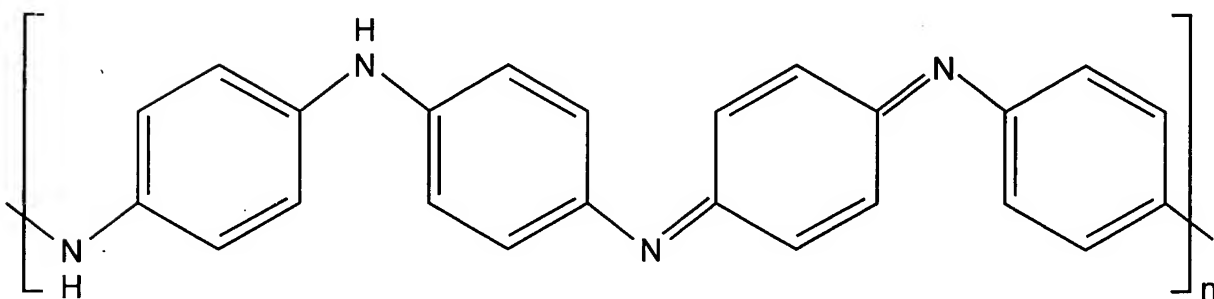


DOPED POLYANILINE EMERALDINE SALT ( $\sigma = 10 \text{ S/cm}$ )

FIG. 1A



DEDOPED POLYANILINE EMERALDINE BASE ( $\sigma = 1 \times 10^{-10} \text{ S/cm}$ )

FIG. 1B